



Complete Summary

TITLE

Preoperative evaluation: percent of patients between 40-54 having an electrocardiogram (ECG) performed as part of a preoperative assessment.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Preoperative evaluation. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Sep. 34 p. [46 references]

Brief Abstract

DESCRIPTION

This measure assesses the percent of patients between 40-54 having an electrocardiogram (ECG) performed as part of a preoperative assessment.

RATIONALE

The priority aim addressed by this measure is an appropriate preoperative history and exam, and reduced diagnostics performed without clinical indications.

PRIMARY CLINICAL COMPONENT

Elective surgery; preoperative assessment; electrocardiogram (ECG)

DENOMINATOR DESCRIPTION

Total number of records reviewed for patients age 40-54 having a preoperative assessment (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of patients age 40-54 having electrocardiogram (ECG) performed as a part of a preoperative assessment (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Process

SECONDARY MEASURE DOMAIN

Not applicable

EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Preoperative evaluation.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age 40 to 54 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All adult patients age 40-54 having elective surgical procedures

Member groups can identify the patients with an encounter for a preoperative assessment and review the medical record for documentation of electrocardiogram (ECG) ordered as part of the preoperative exam. Information can be obtained from the Pre-op History & Physical form, MD notes, or copy of the ECG, or claims data.

A minimum of 20 randomly sampled charts should be reviewed per month.

Data can be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Diagnostic Evaluation

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Total number of records reviewed for patients age 40-54 having a preoperative assessment*

*Operational definitions:

- Preoperative assessment: clinical assessment done prior to surgical procedure to assess the patient health status for surgery. Can be done in primary care, at the surgeon's office, or at the time a surgical procedure is being considered. Suggested International Classification of Diseases, Ninth Revision (ICD-9) codes: V72.84 (Pre-op examination, unspecified).
- Elective procedure: planned, scheduled, non-emergent surgical procedure, one which allows time for a scheduled preoperative health assessment.

Exclusions

Unspecified

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients age 40-54 having electrocardiogram (ECG) performed* as a part of a preoperative assessment

*ECG performed: documentation of an ECG ordered as part of the preoperative assessment OR a copy of an ECG tracing or interpretation dated the same day as preoperative assessment.

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percent of patients between 40-54 having an ECG performed as part of a preoperative assessment.

MEASURE COLLECTION

[Preoperative Evaluation Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Sep

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Preoperative evaluation. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Sep. 34 p. [46 references]

MEASURE AVAILABILITY

The individual measure, "Percent of patients between 40-54 having an ECG performed as part of a preoperative assessment," is published in "Health Care Guideline: Preoperative Evaluation." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org

NQMC STATUS

This NQMC summary was completed by ECRI on May 11, 2004.

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